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Substitute for form 1449A/PTO		<b>GROUP 1700</b>		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number		09/009,294	
		Filing Date		January 20, 1998	
		First Named Inventor		Mills	
		Group Art Unit		<del>Unassigned</del> 1745	
		Examiner Name		<del>Unassigned</del> KALAFET	
Sheet	1	of	15	Attorney Docket Number	62-226-8A2

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	
		Number	Kind Code <sup>2</sup> (if known)			
OK		1,001,589		Hatfield	08-23-1911	
OK		2,708,656		Fermi	05-17-1955	
OK		3,297,484		Niedrach	01-10-1967	
OK		3,300,345		Lyons	01-24-1967	
		<del>3,352,422</del>		<del>Pollock</del>	<del>02-10-1967</del>	
OK		3,377,265		Caesar	04-09-1968	
OK		3,448,035		Serfass	06-03-1969	
		<del>3,660,747</del>		<del>Deed</del>	<del>00-13-1972</del>	
OK		3,701,632		Lovelock	10-31-1972	
OK		3,755,128		Herwig	08-28-1973	
OK		3,816,192		Brower	06-11-1974	
OK		3,835,019		Lovelock	09-10-1974	
OK		3,917,520		Katz	11-04-1975	
		<del>4,265,720</del>		<del>Winstel</del>	<del>05-05-1981</del>	
OK		4,274,938		Schulten	06-23-1981	
OK		4,487,670		Bellanger	12-11-1984	
		<del>4,512,966</del>		<del>Nelson</del>	<del>04-23-1985</del>	


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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3) <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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			Group Art Unit	Unknown	
			Examiner Name	Unknown	
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FOREIGN PATENT DOCUMENTS								
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		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
SK		WO	90/10935	A1	Pons	09-20-1990		
SK		WO	90/14668	A2	Cravens	11-29-1990		
SK		WO	91/01036	A1	Dufour	01-24-1991		
SK		WO	91/08573	A1	Bush	06-13-1991		
SK		WO	93/17437	A1	Bush	09-02-1993		
SK		WO	94/10688	A1	Dufour	05-11-1994		
SK		WO	94/14163	A1	McKubre	06-23-1994		
SK		WO	94/15342	A1	<del>McKubre</del> Grouch-Baker	07-07-1994		
SK		WO	95/20816	A1	Piantelli	08-03-1995		
SK		WO	90/13126	A1	Mills	11-01-1990		
SK		WO	92/10838	A1	Mills	06-25-1992		
SK		WO	94/29873	A1	Mills	12-22-1994		
SK		WO	96/42085	A2	Mills	12-27-1996		
SK		EP	0 392 325	A3	Semiconductor Energy	10-17-1990		
SK		EP	0 395 066	A2	Matsushita Electric Ind	10-31-1990		
SK		JP	53-134792		Ind Res Inst Of Japan	11-24-1978		X
SK		JP	56-136644		Hitachi	03-28-1980		X

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			Group Art Unit	Unknown	
			Examiner Name	Unknown	
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OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
OK		Albagli, et. al., "Measurement and Analysis of Neutron and Gamma-Ray Emission Rates, Other Fusion Products, and Power in Electrochemical Cells Having Pd (June 1990)	
OK		Alber, et. al., "Search for Neutrons from Cold Nuclear Fusion", Z. Phys. A - Atomic Nuclei, Vol. 333, 1989, pp. 319-320. (month unknown)	
OK		Alessandrello, et. al., "Search for Cold Fusion Induced by Electrolysis in Palladium", Il Nuovo Cimento, Vol. 103A, No. 11, November 1990, pp. 1617-1638.	
OK		Associated Press, "Panel Opposes Cold Fusion Efforts", The Washington Post, July 13, 1989, p. A14.	
OK		The Associated Press, "Pennsylvania Company...Cold Fusion Mystery", 1991, Lexis Nexis Reprint APRIL	
		<del>Associated Press, "Physicist: Utah Cold Fusion Gear Doesn't Work", The Washington Post, March 29, 1990, p. A3.</del>	
OK		Balke, et. al., "Limits on Neutron Emission From "Cold Fusion" in Metal Hydrides", Physical Review C, Vol. 42, No. 1, July 1990, pp. 30-37.	
OK		Benetskii, et. al., "An Attempt to Observe Cold Thermonuclear Fusion in a Condensed Medium", 4, May 1989, Nuclear Research Institute, AS USSR, pp. 75-78.	
OK		Besenbacher, et. al., "Search for Cold Fusion in Plasma-Charged Pd-D and Ti-D Systems", Journal of Fusion Energy, Vol. 9, No. 3, September 1990, pp. 315-317.	

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OK		Bishop, "More Labs Report Cold Fusion Results", Wall Street Journal, Oct. 19, 1992.	
OK		Bishop, "It ain't over til it's over ... Cold Fusion", Popular Science, Aug. 1993, pp. 47-51.	
		<del>Black Light Power, "Executive Summary", January 11, 1999, pp. 1-6.</del>	
OK		Boston Globe, Wednesday, April 19, 1989, "Successful nuclear fusion experiment by the Italians"	
		<del>Braaten, "Ridiculously Easy Test Yields Claim of Energy Triumph", The Washington Times, March 24, 1989, p. A5.</del>	
		<del>Broad, "2 Teams Put New Life in Cold Fusion Theory", New York Times, April 26, 1994, p. A18.</del>	
OK		Browne, "Fusion Claims is Greeted With Scorn by Physicists", The New York Times, May 3, 1989, pp. A1 and A22.	
OK		Browne, "Physicists Put Atom in 2 Places at Once", The New York Times. (DATE UNKNOWN)	
OK		Bush, et. al., "Power in a Jar: the Debate Heats Up", 88 Bus. Week, Science & Technology, Oct. 26, 1992.	
OK		Bush, et. al., "Helium Production During the Electrolysis...Experiments", J. Electroanal Chem., Vol. 304 (1991), pp. 271-278. (MONTH UNKNOWN)	
OK		Bush, et. al., "Helium Production During the Electrolysis...Experiments", Preliminary Note, Univ. of Texas, pp. 1-12. (DATE UNKNOWN)	
OK		Catlett, et. al., "Hydrogen transport in lithium hydride as a function of pressure" The Journal of Chemical Physics, 58(8), 3432-3438 (April 1978).	
OK		Chapline, "Cold Confusion", UCRL-101583, July 1989, pp. 1-9.	
OK		Chien, et. al., "On an Electrode...Tritium and Helium", J. Electroanal Chem., 1992, pp. 189-212. (MONTH UNKNOWN)	
OK		Close, "Too Hot to Handle-The Race for Cold Fusion", Princeton University Press, 1989. (MONTH N/A)	

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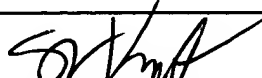
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OK		Cooke, ORNL/FTR-3341, July 31, 1989, pp. 2-15.	
OK		Cribier, et. al., "Conventional Sources of Fast Neutrons in Cold Fusion Experiments", Physics Letters B, Vol. 228, No. 1, September 7, 1989, pp. 163-166.	
OK		Criddle, "The Roles of Solution...Excess Heating", Electrochemical Science & Technology Centre, Univ. of Ottawa. <i>(DATE UNKNOWN)</i>	
OK		Datz, et. al., "Molecular Association in Alkali Halide Vapors", Journal of Chemical Physics, vol. 34, no. 5, (Feb. 1961), pp.558-564.	
OK		Dagani, "Cold Fusion-Utah Pressures Pons, Fleischmann", January 14, 1991, C&EN, pp. 4-5.	
OK		Dagani, "Latest Cold Fusion Results Fail to Win Over Skeptics", June 14, 1993, C&EN, pp.38-40.	
OK		Dagani, "New Evidence Claimed for Nuclear Process in 'Cold Fusion'", C&EN Washington, (April 1991), pp. 31-33	
OK		Experimental Verification by Idaho National Engineering Laboratory, pp. 13-25. <i>(DATE UNKNOWN)</i>	
OK		Faller, et. al., "Investigation of Cold Fusion in Heavy Water", J. Radioanal. Nucl. Chem., Letter, Vol. 137, No. 1, August 21, 1989, pp. 9-16.;	
OK		Hajdas, et. al., "Search for Cold-Fusion Events", Solid State Communications, Vol. 72, No. 4, 1989, pp. 309-313. <i>(DATE UNKNOWN)</i>	
OK		Hardy, et. al., "The Volatility of Nitrates and Nitrites of the Alkali Metals", Journal of the Chemical Society, pp. 5130-5134 (1963). <i>(DATE UNKNOWN)</i>	
OK		Hilts, "Significant Errors Reported in Utah Fusion Experts," The Washington Post, May 2, 1989, pp. A1 and A7.	
OK		Horanyi, "Some Basic Electrochemistry and the Cold Nuclear Fusion of Deuterium", J. Radioanal. Nucl. Chem., Letters, Vol. 137, No. 1, August 21, 1989, pp. 23-28.	

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OK		Huizenga, "Cold Fusion-The Scientific Fiasco of the Century", Oxford University Press, 1993 (MONTH N/A)	
OK		Huizenga, "Cold Fusion Labeled Fiasco of the Century", Forum for Applied Research and Public Policy, Vol. 7, no. 4, pp. 78-83. (DATE UNKNOWN)	
OK		Jones, (article by Dagani), "Cold Fusion Believer .... Research", June 5, 1995, C&EN, pp. 34-41.	
OK		Jones, "Current Issues in Cold Fusion ... Particles", Surface and Coatings Technology, 51 (1992), pp. 283-289. (MONTH UNKNOWN)	
OK		Jones, et. al., "Faradic Efficiencies ... Cells", J. Phys. Chem. 1995, pp. 6973-6979. (MONTH UNKNOWN)	
OK		Jones, et. al., "Examination of Claims of Miles ... Experiments", J. Phys. Chem. 1995, pp. 6966-6972. (MONTH UNKNOWN)	
OK		Ivanco, et. al., "Calorimetry For a Ni/K <sub>2</sub> CO <sub>3</sub> Cell", AECL Research, June 1994.	
OK		Kahn, "Confusion in a Jarr", Nova 1991. (MONTH UNKNOWN)	
OK		Karabut, et. al., "Nuclear Product...Deuterium", Physics Letters A170, (1992), pp. 265-272. (MONTH UNKNOWN)	
OK		Klein, "Attachments to Report of Cold Fusion Testing", Cold Fusion, No. 9, pp. 16-19. (DATE UNKNOWN)	
OK		Kreysa, et. al., "A Critical Analysis of Electrochemical Nuclear Fusion Experiments", J. Electroanal. Chem., Vol. 266, 1989, pp. 437-450. (MONTH UNKNOWN)	
OK		Labov, "Spectral Observations...Background", The Astrophysical Journal, 371, April 20, 1991, pp. 810-819.	
OK		Leggett, et. al., "Exact Upper Bound...'Cold Fusion'", Physical Review Letters, Vol. 63, No. 2, (July 1989), pp. 190-194	
OK		Lehigh X-Ray Photoelectron Spectroscopy Report, December 8, 1993.	
OK		Lewis, et. al., "Searches for Low-Temperature Nuclear Fusion of Deuterium in Palladium", Nature, Vol. 340, August 17, 1989, pp. 525-530.	

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